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CONTRACT CERTIFICATE

(For Other Works)

First & Final Bill

Date.....20.....

Division : Dasarahalli Sub-Division: T.Dasarahalli

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No

Name of Work (as per sanctioned estimate): **Drilling of Borewells in Bhuvaneshwari Nagara & Surrounding area Bagalagunte Ward No 14**

Name of Contractor and Full Address : **Sri.Madhava reddy K, No.898, 1st Cross, Muneshwara Nagara, Bagalagunte, Bangalore-73**

Reference to Agreement No. EE/DD/AGR/193 /20-21 **Date: 26.02.2021**

Certified that the measurements were taken by me on 21/10/2022 and recorded of pages 492001 to 492009 measurement Book No. 4921/2022-23 and that the work is satisfactorily executed.

K Madhava Reddy
Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 21/10/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

If Memorandum of Payment JOB CODE- 014-21-000006

1)	Total value of work done or supplies made as per account	1st and Final Bill → 4600094-00
2)	Deduct amount to be held in reserve being.....percent Rs.....	
3)	Deduct amount to be held in reserve being Balance	
4)	Deduct Payment :	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	
	Amount adjusted towards cash advance recovery of	IT → 46001-00
	b) Payments cost stores/other materials supplied.	LWC → 46001-00
	Now made recovery of amount creditable to this/other work	CBF → 4600-00
	Amount paid on this bill Cheque/Cash	Roty → 1000-00
5)	Balance being unpaid value of work done held in reserve	Fine → 3300-00
6)	Deduct cash advance made on the office Cash Book Voucher No/ date .....less adjustments	CESS → 46001-00
7)	Net amount due to or from contractor	SESS → 46001-00
	Unadjusted items	1,92,904/-
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	Net → 4407190-00

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 073

K Madhava Reddy
Contractor's Signature

Received Rs.....(in works)

.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated.....

Paid by me by cheque No.....

Cash Rs.....Dated.....

Audited and admitted for Rs 4600094-00
Passed by Cheque for Rs 4407190-00
Forty Four Lakhs Seven Thousand one Hundred and Ninety Rupees only
by adjustment Rs 192904/-
Accountant Superintendent Asst. Engineer
B.B.M.P. Dasarahalli Division

(For use in the Office)

K Madhava Reddy
Signature of Contractor

Initials of Officer Making Payment Dated ..... **Executive Engineer**

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Sl No	Description of Item	Unit	Previous Qt		Present Qty			Up to date Qt	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,PWS by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground water in the vicinity,indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0meter in consolidation formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other inflomation required including transportation of instrument and accessories to work site,engaging technical personal and labour required etc,	Each			5	3200.00	16000	5	16000
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 0 - 50.00 ----	Mtr			250.00	300.00	75000	250.00	75000
3	50.00 - 100.00	Mtr			250.00	400.00	100000	250.00	100000
4	100.00 - 150.00	Mtr			250.00	400.00	100000	250.00	100000
5	150.00 - 200.00	Mtr			250.00	500.00	125000	250.00	125000
6	200.00 - 250.00	Mtr			250.00	600.00	150000	250.00	150000
7	250.00 - 300.00	Mtr			150.00	700.00	105000	150.00	105000
8	300.00 - 350.00	Mtr			50.00	800.00	40000	50.00	40000
9	350.00 - 400.00	Mtr			0.00	900.00	0	0.00	0

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Sl No	Description of Item	Unit	Previous Qty		Present Qty			Up to date Qty	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
10	Supply of ISI mark 175MM nominal bore plain end Steel casing pipe-grade of steel Fe.410, of wall thickness 5.4 mm thick conforming to IS 4270:2001 and lates amendments electric resistance welded steel tube material and conforming to IS 1387/1993 & manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs. Both ends threaded conforming to IS 554/1985. one end fixed with a socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight, should be with ISI marking, weighing 25.10 kg/mtr (inclusive of all taxes and duties)-Prices include Collar-medium duty.	Rmt			240.00	1000.00	240000	240.00	240000
11	Providing and fixing 250mm dia PVC pipe and as per specification and directions.	Rmt			37.50	1000.00	37500	37.50	37500
12	Above 125%	Rmt			22.50	1124.32	25297	22.50	25297
13	Providing and lying at site of work 175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colors shall be strictly as per IS 1239 (part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete withh all lead and lifts and as directed by the Engineer in charge.	Each			5	100.00	500	5	500
14	Providing laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead 7 lift etc,	Rmtr			1125.00	500.00	562500	1125.00	562500
15	Supply of 50mm M.S collars (PWD SR-2018-19, P.No.XLVII Sl .No	Each			190.00	200.00	38000	190.00	38000
16	Supply and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS : 8130-1984, and virgin PVC Sheated suitable for working voltage upto 1100 Volts as per IS : 694 : 190. 3C X 6.0Sq.mm -	Mtr			2570.00	180.00	462600	2570.00	462600

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SI No	Description of Item	Unit	Qty	Amt	Qty	Rate	Amt	Qty	Amt
17	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 1200x600 x300 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc, completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	Nos			5	14000.00	70000	5	70000
18	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm	Sq.Cm			110000.00	0.40	44000	110000.00	44000
19	Providing & Fixing of clamps set and borewell cap to the pump	set			5	1500.00	7500	5	7500
20	Supply and delivery at site brand New best make non-return valve as per IS 778/1984 with ISI mark and as per its latest amendments, Size - 50mm.	Nos			5	1000.00	5000	5	5000
21	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments, Size-50mm	Nos			5	1000.00	5000	5	5000
22	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any.	Nos			5	200.00	1000	5	1000
23	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any.	Nos			5	150.00	750	5	750

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Sl No	Description of Item	Unit	Previous Qty		Present Qty			Up to date Qty	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
24	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.	Nos			5	150.00	750	5	750
25	Labour charges for Erection, Electrification and commissioning of pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, borewell caps, cable and water tight gland able protectors, bolts, nuts, valve and gauges, tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job			5	5000.00	25000	5	25000
26	Labour charges for Erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc, complete as per specifications, with testing of as per instruction of engineer incharge of work.	Nos			5	1000.00	5000	5	5000
27	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, Indicator ON/OFF, Energy cross - 3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amos DP.	Each			5	1200.00	6000	5	6000
28	Supplying and lying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanished steel wire/steel tape armoured cable with PVC outer sheathing.	Mtr			145.50	120.00	17460	145.50	17460
29	Digging of trenches of 0.6mm x 0.50 mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (as per Civil SR KSRB 1-2, P-7)	Mtr			120.50	70.00	8435	120.50	8435
30	Suppying and fixing Class-A GI pipe on pole /wall/ drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Mtr			15.00	300.00	4500	15.00	4500
31	Supplying, fixing, wiring, earth electrode for grounding circuits, I.C cutouts and other equipments on the meter board in the pit. The pit should be filled up with equal propotion of solt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduits etc., is to be established through GI wire of size, as per clause 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 12 mm dia,	Job			5	3600.00	18000	5	18000

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SI No	Description of Item	Unit	Previous Qty		Present Qty			Up to date Qty	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
32	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Nos			5	450.00	2250	5	2250
33	Suppying fixing and wiring haevy duty low voltage capacitors confirming to IS 2834, 3phase 400/400 volts grade, for power Factor improvement of roating machinery like induction motor.	KVAR			5	400.00	2000	5	2000
34	Supply and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc.,	Each			5	280.00	1400	5	1400
35	Providing and fixing Chorinated Poly Venyl chloride (PVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes joining of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes.	Mtr			25.00	420.00	10500	25.00	10500
36	KSRRB M2100-10. Providing and lying plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed placed in foundation and compacted bu vibration including curing for 14 days including cost of all materials, labour, HOM cruing, form works, scaffolding and centering complete as per specifications.	Cum			0.68	4900.00	3332 3308	0.68	3332 3308

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Sl No	Description of Item	Unit	Previous Qty		Present Qty			Up to date Qty	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
37	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed 2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick pilytheme film, wedges, steel plates including levelling the form work as per drawing). Speading the concrete with shovels, rackers, compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per	Cum			3.36	4900.00	16464 16476	3.36	16464 16476
38	filling available earth around pipe lines cable in layers not exceeding 20cms. In depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications.	Cum			174.24	180.00	31363	174.24	31363
39	Above 125%	Cum			1083.80	118.9188	128884	1083.80	128884
40	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (Page No.6 , Item No.2.4,PW,P & IWTD SR 2018-19)	Cum			1258.24	441.2772	555236 555233	1258.24	555236 555233

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				Qty	Amt	Qty	Rate	Amt	Up to dat Qty	Amt
41	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm 63 mm dia working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for internal water supply connection(Page No.96, Item No. 13.70.2 (SR 2019-20)	Mtr			1753.00	291.8916	511683 511686	1753.00	511683 511686
42	Providing and fixing to wall, ceiling and floor, high density polyethylene pipes 6.00 kgs/sq.cm 63 mm dia working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for internal water supply connection(Page No.96, Item No. 13.73.2 (SR 2019-20)	Mtr			228.00	365.6016	83357	228.00	83357
43	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11kW 35 stage (P.NO-XLII, I.NO-44, PWD SR-2018-19)	Nos			1	75174.00 75173.64	75174	1	75174
44	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 12.5HP/9.3kW 40 stage (P.NO-XLI, I.NO-37, PWD SR-2018-19)	Nos			3	76740.96	230223	3	230223

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Sl No	Description of Item	Unit	Previous Qty		Present Qty			Up to date Qty	
			Qty	Amt	Qty	Rate	Amt	Qty	Amt
45	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 7.5HP/5.5kW SD 23stage (P.NO-XLI, I.NO-25, PWD SR-2018-19)	Nos			1	48367.14	48367	1	48367
46	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm (Page No.94 , Item No.13.37,PW,P & IWTD SR 2018-19)	Nos			20	1709.09	34182	20	34182
47	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps	Nos			15	365.60	5484	15	5484
	Total					4035691.00	4035678	4035691/-	4035678
	KPTCL deposits & service charges					80120.00	110600	110600	110600
	GST 18%					484283.00	726422	484283/-	726422
	Grand Total					4600094.00	4872700	4600094-00	4872700

Certificate:

1. This is certify that the Contractor has completed the work satisfactory.
2. The Contractor has cleared the debris from the work spot.
3. The contractor has used his own vehicles for the conveying the debris.
4. There are no departmental issues for the above work.

Asst. Engineer
Ward No-14
BBMP Banglore

Asst Executive Engineer
T Dasarahalli Sub Division
BBMP Banglore

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